

**КОДЫ ОШИБОК ДЛЯ ДВИГАТЕЛЯ DieselMax SE.**

<b>Fault Code</b>	<b>Description</b>
E001	Engine ECU warning
E002	Engine speed (crankshaft position) sensor - data erratic, (target disc tooth signal missing)
E004	Fuel timing pressure sensor (ECU) circuit fault - voltage below normal or shorted low
E008	Inlet manifold air pressure sensor (TMAP) fault - voltage above normal or shorted high
E009	Inlet manifold air pressure sensor (TMAP) fault - voltage below normal or shorted low
E010	Throttle pedal position sensor fault - voltage above normal or shorted high
E011	Throttle pedal position sensor fault - voltage below normal or shorted low
E012	Hand throttle position sensor fault - voltage above normal or shorted high
E013	Hand throttle position sensor fault - voltage below normal or shorted low
E017	Engine coolant temperature sensor fault - voltage above normal or shorted high
E018	Engine coolant temperature sensor fault - voltage below normal or shorted low
E023	Inlet manifold air temperature sensor (TMAP) fault - voltage above normal or shorted high
E024	Inlet manifold air temperature sensor (TMAP) fault - voltage below normal or shorted low
E027	Sensor supply voltage circuit fault - voltage below normal or shorted low
E047	Fuel temperature sensor fault - voltage above normal or shorted high
E049	Fuel temperature sensor fault - voltage below normal or shorted low
E051	High pressure fuel solenoid valve number 1 fault - voltage below normal or shorted low
E052	High pressure fuel solenoid valve number 1 fault - voltage above normal or shorted high
E055	High pressure fuel solenoid valve number 1 fault - valve not responding correctly
E068	Engine control module (ECU) internal temperature sensor fault - voltage above normal or shorted high
E069	Engine control module (ECU) internal temperature sensor fault - voltage below normal or shorted low
E076	Injector solenoid valve fault, cylinder 1 - current above normal or grounded circuit
E078	Injector solenoid valve fault, cylinder 3 - current above normal or grounded circuit
E080	Injector solenoid valve fault, cylinder 2 - current above normal or grounded circuit
E082	Injector solenoid valve fault, cylinder 4 - current above normal or grounded circuit
E083	Injector solenoid valve fault, cylinder 1 - current below normal or open circuit
E085	Injector solenoid valve fault, cylinder 3 - current below normal or open circuit
E089	Injector solenoid valve fault, cylinder 2 - current below normal or open circuit
E090	Injector solenoid valve fault, cylinder 4 - current below normal or open circuit
E091	Engine ECU fault - data erratic
E095	Sensor supply voltage 1 (+5V) fault - voltage below normal or shorted low
E096	Fuel pump control module fault - voltage above normal or shorted high
E097	Fuel pump control module fault - voltage below normal or shorted low
E098	Fuel pump control module, CAN fault - pump not responding correctly
E104	Fuel pump control module idle fault - data erratic
E111	Inlet manifold heater - relay enable fault
E114	Sensor supply voltage 1 (+5V) fault - voltage above normal or shorted high
E119	Water in fuel detected - no fault data only
E122	Water in fuel indicator fault - voltage above normal or shorted high
E123	Water in fuel indicator fault - voltage below normal or shorted low
E126	Inlet manifold air pressure sensor (TMAP) fault - data erratic
E127	Power supply fault - data erratic
E129	Battery voltage fault - data below normal level
E130	Battery voltage fault - data above normal level
E133	High pressure fuel pump mechanical system not responding
E134	Injector metering rail pressure sensor fault - voltage above normal or shorted high
E135	Injector metering rail pressure sensor fault - voltage below normal or shorted low
E138	Fuel pump calibration trim circuit fault - calibration fault
E142	Fuel metering solenoid fault
E159	Cylinder power imbalance - data erratic

E700	High pressure fuel pump delivery pressure low - data below normal level
E701	High pressure fuel solenoid valve number 1 fault - data erratic
E702	High pressure fuel pump mechanical system not responding
E703	High pressure fuel pump delivery pressure low - data above normal level
E704	Engine knock sensor fault - abnormal pulse width or frequency
E705	Minimum injector drive pulse drift - cylinder 2 - injector not responding correctly
E706	Minimum injector drive pulse drift - cylinder 1 - injector not responding correctly
E707	Minimum injector drive pulse drift - cylinder 3 - injector not responding correctly
E708	Engine control module main relay fault - relay not responding correctly
E709	Engine coolant temperature validity - no fault, temperature sensor data is plausible
E715	Boost pressure validity - no fault, air pressure sensor data is plausible
E716	Throttle pedal position sensor fault - data erratic
E718	Engine position sensor fault (camshaft sensor) - abnormal pulse width or frequency
E719	Engine speed (crankshaft position) sensor fault - no signal
E720	Engine speed (crankshaft position) sensor - data erratic (target disc gap signal missing)
E725	Wiring harness resistance too high or too low, cylinder 4
E726	Wiring harness resistance too high or too low, cylinder 2
E727	Wiring harness resistance too high or too low, cylinder 1
E728	Wiring harness resistance too high or too low, cylinder 3
E729	Engine injector bank 1 (cylinders 2 and 4) - ECU fault
E730	Engine injector bank 2 (cylinders 1 and 3) - ECU fault
E737	Engine knock sensor fault
E738	Hand throttle position sensor fault - data erratic
E745	Minimum injector drive pulse drift - cylinder 4 - injector not responding correctly

## Коды ошибок для VM RANGE TIER III.

Code	Description	Effect
E001	Engine Control Module	Data erratic, intermittent or incorrect
E001	Engine Control Module	Root cause not known
E001	Engine Control Module	Bad intelligent device or component
E001	Engine Control Module	Condition exists
E002	Engine Speed Sensor	Data erratic, intermittent or incorrect
E004	Fuel Timing Pressure Sensor Circuit	Voltage below normal or shorted to low source
E008	Intake Manifold Pressure Sensor Fault	Voltage above normal or shorted to high source
E009	Intake Manifold Pressure Sensor Fault	Voltage below normal or shorted to low source
E010	Accelerator pedal position	Voltage above normal or shorted to high source
E011	Accelerator pedal position	Voltage below normal or shorted to low source
E012	Hand Throttle Position Sensor Fault	Voltage above normal or shorted to high source
E013	Hand Throttle Position Sensor Fault	Voltage below normal or shorted to low source
E014	Engine Oil Pressure	Voltage above normal or shorted to high source
E015	Engine Oil Pressure	Voltage below normal or shorted to low source
E017	Engine Coolant Temperature	Voltage above normal or shorted to high source
E018	Engine Coolant Temperature	Voltage below normal or shorted to low source
E023	Intake Manifold Temperature Sensor Fault	Voltage above normal or shorted to high source
E024	Intake Manifold Temperature Sensor Fault	Voltage below normal or shorted to low source
E027	Sensor Supply Voltage Circuit	Voltage below normal or shorted to low source
E027	Sensor Supply Voltage 3 (+5V)	Voltage above normal or shorted to high source
E036	Sensor Supply Voltage 3 (+5V)	Data erratic, intermittent or incorrect
E040	Vehicle Speed Sensor Fault	Data erratic, intermittent or incorrect
E041	Vehicle Speed Sensor Circuit	Data abnormal rate of change
E047	Fuel Temperature	Voltage above normal or shorted to high source
E048	Fuel Temperature	Root cause not known
E049	Fuel Temperature	Voltage below normal or shorted to low source
E051	High Fuel Pressure Solenoid Valve Number 1 Fault	Voltage below normal, or shorted to low source
E052	High Fuel Pressure Solenoid Valve Number 1 Fault	Voltage above normal, or shorted to high source
E052	High Fuel Pressure Solenoid Valve Number 1 Fault	Current below normal or open circuit
E055	High Fuel Pressure Solenoid Valve Number 1 Fault	Mechanical system not responding or out of adjustment
E068	Engine Control Module Temperature Sensor	Voltage above normal, or shorted to high source
E069	Engine Control Module Temperature Sensor	Voltage below normal, or shorted to low source
E076	Injector Solenoid Valve Cylinder # 1	Current above normal or grounded circuit
E078	Injector Solenoid Valve Cylinder # 3	Current above normal or grounded circuit
E080	Injector Solenoid Valve Cylinder # 2	Current above normal or grounded circuit
E082	Injector Solenoid Valve Cylinder # 4	Current above normal or grounded circuit
E083	Injector Solenoid Valve Cylinder Number 1 Fault	Current below normal or open circuit
E085	Injector Solenoid Valve Cylinder Number 3 Fault	Current below normal or open circuit
E089	Injector Solenoid Valve Cylinder Number 2 Fault	Current below normal or open circuit
E090	Injector Solenoid Valve Cylinder Number 4 Fault	Current below normal or open circuit
E091	Calibration Memory	Data erratic, intermittent or incorrect
E091	Calibration Memory	Condition exists
E095	Sensor Supply Voltage 1 (+5V)	Voltage below normal, or shorted to low source
E096	Engine Fuel Injection Pump Fuel Control Valve (IMV)	Voltage above normal, or shorted to high source
E097	Engine Fuel Injection Pump Fuel Control Valve (IMV)	Voltage below normal, or shorted to low source
E098	Fuel Pump Control Module, CAN	Mechanical system not responding or out of adjustment

E104	Fuel Pump Control Module, Idle	Data erratic, intermittent or incorrect
E113	Sensor Supply Voltage 2	Voltage above normal or shorted to high source
E114	Sensor Supply Voltage 1 (+5V)	Voltage above normal, or shorted to high source
E119	Water in Fuel Indicator	Data valid but above normal operating range - least severe level
E122	Water in Fuel Indicator Fault	Voltage above normal or shorted to high source
E123	Water in Fuel Indicator Fault	Voltage below normal or shorted to low source
E126	Intake Manifold Pressure Sensor Fault	Data erratic, intermittent or incorrect
E127	Power Supply Fault	Data erratic, intermittent or incorrect
E129	Battery Voltage Fault	Data valid but below normal operational range - most severe level
E130	Battery Voltage Fault	Data valid but above normal operational range - most severe level
E133	Fuel pump delivery pressure	Data valid but above normal operating range - moderately severe level
E134	Injector Metering Rail # 1 Pressure	Voltage above normal or shorted to high source
E135	Injector Metering Rail Pressure Fault	Voltage below normal or shorted to low source
E159	Cylinder Power Imbalance between cylinders	Data erratic, intermittent or incorrect
E172	Engine Coolant Temperature	Data erratic, intermittent or incorrect
E183	Injector Metering Rail # 1 Pressure	Data erratic, intermittent or incorrect
E202	Minimum drive pulse drift (inj #2)	Mechanical system not responding or out of adjustment
E203	Minimum drive pulse drift (inj #1)	Mechanical system not responding or out of adjustment
E204	Minimum drive pulse drift (inj #3)	Mechanical system not responding or out of adjustment
E205	Minimum drive pulse drift (inj #0)	Mechanical system not responding or out of adjustment
E700	Fuel pump delivery pressure	Data valid but below normal operational range - most severe level
E701	High Fuel Pressure Solenoid Valve Number 1 Fault	Data erratic, intermittent or incorrect
E701	High Fuel Pressure Solenoid Valve Number 1 Fault	Data erratic, intermittent or incorrect
E702	Fuel pump delivery pressure	Data valid but below normal operating range - least severe level
E703	Fuel pump delivery pressure	Condition exists
E704	Engine Knock Sensor	Abnormal frequency or pulse width or period
E704	Engine Knock Sensor	Condition exists
E708	Engine Control Module Main Relay	Mechanical system not responding or out of adjustment
E709	Engine Coolant Temperature	Condition exists
E710	Intake Air Heater (Relay Enable) # 1	Voltage above normal or shorted to high source
E711	Intake Air Heater (Relay Enable) # 1	Voltage below normal or shorted to low source
E712	Intake Air Heater (Relay Enable) # 1	Current below normal or open circuit
E713	Intake Air Heater (Relay Enable) # 1	Current above normal or grounded circuit
E714	Cruise Control Set Speed	Mechanical system not responding or out of adjustment
E715	Boost pressure plausibility	Condition exists
E716	Accelerator pedal position	Data erratic, intermittent or incorrect
E717	Injector Metering Rail # 1 Pressure	Condition exists
E718	Engine position sensor	Data erratic, intermittent or incorrect
E719	Engine Speed Sensor	Data erratic, intermittent or incorrect
E720	Engine Speed Sensor	Abnormal rate of change
E722	Auxiliary Output #1 (Temperature Gauge / Lamp)	Voltage below normal or shorted to low source

E723	Auxiliary Output #1 (Temperature Gauge / Lamp)	Current below normal or open circuit
E724	Auxiliary Output #1 (Temperature Gauge / Lamp)	Current above normal or grounded circuit
E725	Wiring harness resistance too high/low (cyl #4)	Abnormal rate of change
E726	Wiring harness resistance too high/low (cyl #2)	Abnormal rate of change
E727	Wiring harness resistance too high/low (cyl #1)	Abnormal rate of change
E728	Wiring harness resistance too high/low (cyl #3)	Abnormal rate of change
E729	Engine Injector Bank 1	Voltage above normal, or shorted to high source
E730	Engine Injector Bank 2	Voltage above normal, or shorted to high source
E731	High Fuel Pressure Solenoid Valve Number 1 Fault	Data valid but above normal operational range - most severe level
E732	High Fuel Pressure Solenoid Valve Number 1 Fault	Data valid but below normal operational range - most severe level
E733	Maintenance Lamp	Voltage below normal, or shorted to low source
E734	Maintenance Lamp	Current below normal or open circuit
E735	Maintenance Lamp	Current above normal or grounded circuit
E736	Engine Injector Bank 1	Voltage below normal, or shorted to low source
E737	Engine Injector Bank 2	Voltage below normal, or shorted to low source
E737	Engine Knock Sensor	Root cause not known
E738	Hand Throttle Position Sensor Fault	Data erratic, intermittent or incorrect
E746	Auxiliary Output #2 (Oil Pressure Gauge / Lamp))	Voltage below normal or shorted to low source
E747	Engine Gaseous Fuel Correction Factor	Out of calibration
E748	Engine Gaseous Fuel Correction Factor	Data erratic, intermittent or incorrect
E749	Auxiliary Output #2 (Oil Pressure Gauge / Lamp))	Current below normal or open circuit
E750	Auxiliary Output #2 (Oil Pressure Gauge / Lamp))	Current above normal or grounded circuit
E751	Malfunction Indicator Lamp	Voltage above normal, or shorted to high source
E752	Maintenance Lamp	Voltage above normal, or shorted to high source
E753	Engine Electric Lift Pump for Engine Fuel Supply	Voltage above normal or shorted to high source
E755	Engine position sensor	Mechanical system not responding or out of adjustment
E756	Vehicle Speed Sensor Fault	Voltage below normal or shorted to low source
E757	ECU Power Output Supply #2	Current below normal or open circuit
E758	ECU Power Output Supply #2	Current above normal or grounded circuit
E759	Engine Speed Sensor	Mechanical system not responding or out of adjustment
E760	Engine Electric Lift Pump for Engine Fuel Supply	Voltage below normal or shorted to low source
E761	Engine Electric Lift Pump for Engine Fuel Supply	Current below normal or open circuit
E762	Engine Electric Lift Pump for Engine Fuel Supply	Current above normal or grounded circuit
E763	Intake Manifold Temperature Sensor Fault	Condition exists
E773	Malfunction Indicator Lamp	Current above normal or grounded circuit
E774	Injector Metering Rail # 1 Pressure	Out of calibration
E775	Sensor Supply Voltage 1 (+5V)	Data erratic, intermittent or incorrect
E776	Engine Fuel Injection Pump Fuel Control Valve (IMV)	Current below normal or open circuit
E777	Engine Fuel Injection Pump Fuel Control Valve (IMV)	Current above normal or grounded circuit
E778	Engine Fuel Injection Pump Fuel Control Valve (IMV)	Data valid but above normal operating range - moderately severe level
E779	Engine Fuel Injection Pump Fuel Control Valve (IMV)	Data valid but below normal operating range - least severe level
E780	Engine Fuel Injection Pump Fuel Control Valve (IMV)	Condition exists
E781	Sensor Supply Voltage 3 (+5V)	Data erratic, intermittent or incorrect
E782	Malfunction Indicator Lamp	Voltage below normal, or shorted to low source
E783	Malfunction Indicator Lamp	Current below normal or open circuit
E784	Intake Manifold Temperature Sensor Fault	Abnormal rate of change

E785	Vehicle Speed Sensor Fault	Current below normal or open circuit
E786	Intake Air Heater (Relay Enable) # 2	Voltage below normal or shorted to low source
E787	Intake Air Heater (Relay Enable) # 2	Current below normal or open circuit
E788	Intake Air Heater (Relay Enable) # 2	Current above normal or grounded circuit
E789	Vehicle Speed Sensor Fault	Current above normal or grounded circuit
E790	Vehicle Speed Sensor Fault	Mechanical system not responding or out of adjustment
E791	Vehicle Speed Sensor Fault	Voltage above normal or shorted to high source
E792	Auxiliary Output #1 (Temperature Gauge / Lamp)	Voltage above normal or shorted to high source
E793	Auxiliary Output #2 (Oil Pressure Gauge / Lamp))	Voltage above normal or shorted to high source
E794	Intake Air Heater (Relay Enable) # 2	Voltage above normal or shorted to high source
E795	Sensor Supply Voltage 2	Data erratic, intermittent or incorrect
E796	ECU Power Output Supply #2	Voltage below normal or shorted to low source
E797	ECU Power Output Supply #1	Voltage below normal or shorted to low source
E798	ECU Power Output Supply #1	Current below normal or open circuit
E799	ECU Power Output Supply #1	Current above normal or grounded circuit